

Comparisons of Job Characteristics

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Helpers--Extraction Workers (47-5081)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 65

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	9.9	15.3	>> Current knowledge level is likely more than sufficient
Public Safety and Security	6.9	8.8	7.3	< Expanded education and/or training may be required
Law and Government	5.9	8.5	3.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	11.0	11.2	0 Current skill level may be sufficient
Equipment Maintenance	3.5	10.0	8.6	< A higher skill level may be required
Repairing	3.4	10.0	8.8	< A higher skill level may be required
Operation and Control	5.4	9.5	11.5	> Skill level is likely sufficient
Troubleshooting	4.5	9.2	8.4	0 Current skill level may be sufficient
Quality Control Analysis	5.9	8.9	8.8	0 Current skill level may be sufficient
Equipment Selection	3.3	7.7	6.2	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Multilimb Coordination	6.0	11.9	11.6	0	Current ability level may be sufficient
Reaction Time	4.8	11.8	9.0	<<	Extensive improvement in abilities may be required
Static Strength	5.0	11.4	8.7	<<	Extensive improvement in abilities may be required
Trunk Strength	5.7	11.2	7.9	<<	Extensive improvement in abilities may be required
Far Vision	7.8	11.1	7.7	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.6	7.9	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	10.0	7.3	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.2	6.9	<	Some improvement in abilities may be required
Spatial Orientation	2.7	7.7	5.0	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	6.8	4.8	<<	Extensive improvement in abilities may be required
Peripheral Vision	2.2	5.6	3.6	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Rotary Drill Operators, Oil and Gas (47-5012)

Associated Occupation: Helpers--Extraction Workers (47-5081)

Work Activities	Exclusivity of Activity
Charge blasting holes with explosives	82
Detonate blasting charges for construction or extraction work	89
Drill blasting holes	89
Maintain or repair construction machinery or equipment	77
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Associated Occupation: Helpers--Extraction Workers (47-5081)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.